

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2005/000230

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F2/24 A61F2/06 A61B17/11 A61B17/115 A61B17/064

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61F A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 088 529 A (SORIN BIOMEDICA CARDIO SPA) 4 April 2001 (2001-04-04) paragraph [0015] - paragraph [0021]; figures paragraph [0044] - paragraph [0049]	1,3,4,6, 22-25, 29,30
A		8,17
X	US 2003/149476 A1 (FIGULLA HANS-REINER ET AL) 7 August 2003 (2003-08-07) paragraph [0027] - paragraph [0036]; figures ----- -/--	1,2,17, 18, 22-24,30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 August 2005

Date of mailing of the international search report

26 OCT 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Neumann, E

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL2005/000230

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/029049 A1 (COSTA PETER F ET AL) 7 March 2002 (2002-03-07) paragraph [0196]; figures paragraph [0212] paragraph [0106] -----	1,3,11, 12,26, 29,30
A	WO 03/003926 A (BERREKLOUW ERIC) 16 January 2003 (2003-01-16) cited in the application page 1, line 32 - page 2, line 9; figures -----	1,11,17, 18,22, 24,29,30
A	WO 00/44311 A (BERREKLOUW ERIC) 3 August 2000 (2000-08-03) cited in the application page 24, line 2 - line 11; claims 54,57; figures page 26, line 10 - line 17 -----	1-3,17, 18, 22-24,30
A	EP 0 896 813 A (SORIN BIOMEDICA SPA) 17 February 1999 (1999-02-17) the whole document -----	1-3,8,17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2005/000230

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-30

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-30

Assembly comprising a ring having anchoring elements comprising a memory material, an applicator provided with a carrier and an temperature influencing system for bending the anchoring elements from a fitting to an anchoring position

(problem: how to move the anchoring elements from the fitting to an anchoring position)

2. claims: 31-34

Heart valve prosthesis comprising a ring, valve leaflets and anchoring pins which are adapted to move from a first to a second penetrated position

(problem: how to move anchoring pins from a first to a second penetrated position)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2005/000230

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1088529 A	04-04-2001	AT 296594 T DE 60020473 D1 IT T0990840 A1	15-06-2005 07-07-2005 30-03-2001
US 2003149476 A1	07-08-2003	WO 0164137 A1 DE 10010073 A1 EP 1259193 A1 JP 2003524504 T	07-09-2001 27-09-2001 27-11-2002 19-08-2003
US 2002029049 A1	07-03-2002	US 2002151914 A1 US 2003023251 A1 US 6387105 B1 US 2001047179 A1 US 2002087175 A1	17-10-2002 30-01-2003 14-05-2002 29-11-2001 04-07-2002
WO 03003926 A	16-01-2003	EP 1401336 A1 NL 1018302 C1 NL 1018302 A1 US 2004199176 A1	31-03-2004 17-07-2002 17-07-2001 07-10-2004
WO 0044311 A	03-08-2000	AU 4623900 A EP 1180987 A2 US 6790229 B1	18-08-2000 27-02-2002 14-09-2004
EP 0896813 A	17-02-1999	IT T0970743 A1 US 6290719 B1	15-02-1999 18-09-2001